

SINGLE PACKAGED AIR CONDITIONER SCHEDULE (ROOFTOP) COOLING CAPACITY ELECTRICAL DATA SUPPLY AIR PRESSURE | MIN TOTAL CAPACITY | MIN SENS CAPACITY AIR FLOW OSA DESIGN TEMP INDOOR FAN UNIT POWER CONNECTION Db Wb MBH MBH CONTROL MCA PHASE VOLT CFM 88 63.4 ROOF 1ST/2ND FL AIR COOLED DX 9600* 2900 1.0 356 285 12.4 VFD 460 AAON RN-031-3-0-EB09-000 1. SIDE DISCHARGE, REAR INLET. 2. FIELD PROVIDE AND INSTALL DUCT SMOKE DETECTOR AT SUPPLY AND RETURN DUCT TO SHUT DOWN UNIT UPON DETECTION OF SMOKE. PROVIDE OUTSIDE AIR MONITORING STATION. 3. DRAW THROUGH COIL. 4. DOUBLE WALL CASING WITHOUT PERFORATIONS. 5. INSULATED, STAINLESS STEEL, DOUBLE WALL, DOUBLE SLOPED DRAIN PAN. 6. COPPER TUBE, ALUMINUM FIN DX COOLING COIL. 7. TWO PRE FILTERS UPSTREAM OF COILS: MERV 7-2" AND MERV 13-6". 8. MANUAL DUAL TYPE PRESSURE GAUGE WITH AIR TUBING AND 3 ISOLATION BALL VALVES TO MEASURE PRESSURE DIFFERENTIAL ACROSS EACH FILTER. 9. VFDS FOR SUPPLY AND RETURN FAN. PROVIDED BY MECHANICAL CONTRACTOR, INSTALLED BY ELECTRICAL CONTRACTOR. 10. SINGLE 460V ELECTRICAL CONNECTION PROVIDED W/ STEPDOWN TRANSFORMER FOR 120V CONVENIENCE OUTLET. * 9600 INCLUDES THE 10% UP SIZE FOR DUCT LEAKAGE PER THE VA STANDARDS. SPLIT SYSTEM AIR CONDITIONER HEAT PUMP SCHEDULE COOLING CAPACITY ELECTRICAL DATA SUPPLY AIR OSA DESIGN | AIR FILTER MIN TOTAL MIN SENS AIR FLOW LOCATION COMBINATION FIRE/SMOKE DAMPER SCHEDULE MIN SEER Db Wb TEMP MARK NO CAPACITY CAPACITY MCA SERVED MBH MBH CFM DUCT PRESSURE DUCT SIZE (MAX) DAIKIN: FTXN18KVJU, REMARKS CU/FC-1 12.7 101 WALL MOUNT RKN18KEVJU IN WG DAIKIN: FTXN18KVJU, CU/FC-2 103 103 WALL MOUNT 570 12.7 80 [95] SEE PLANS **RUSKIN FSD-60** DAIKIN: FTXN18KVJU, SEE PLANS RUSKIN FSD-60GA CU/FC-3 108 108 WALL MOUNT 12.7 [95] 208 RKN18KEVJU DAIKIN: FTXN18KVJU, CU/FC-4 RKN18KEVJU DAIKIN: FTXN18KVJU, CU/FC-5 12.7 100 WALL MOUNT 570 RKN18KEVJU 1. FUSED DISCONNECT PROVIDED BY ELECTRICAL CONTRACTOR. 2. PROVIDE UNIT WITH WIRELESS REMOTE CONTROL FOR INDEPENDENT STAND ALONE CONTROL OF ALL UNIT FUNCTIONS. 3. PROVIDE UNIT WITH 7 DAY PROGRAMMABLE WALL MOUNTED FACTORY THERMOSTAT. 4. PROVIDE UNIT WITH CONDENSATE PUMP. TERMINATE CONDENSATE LINE IN CODE APPROVED LOCATION.

			HVAC DESI	GN DATA	Д							
		SUMMER		WINTER		LOWEST AVERAGE						
DESIGN CONDITIONS	TEMP	WET BULB TEMP	% HUMIDITY	TEMP	DEWPOINT TEMP	% HUMIDITY	ANNUAL DEWPOINT					
	°F	°F	76 HOWIDITT	°F	°F	/6 HOWIDITT	°F	[°C]				
OUTDOOR DESIGN CONDITIONS	88	65	HR:57	36	-	-	-	-				
	INDOOR AREA DESIGN CONDITIONS											
1st/2nd Floor	75	62	HR:50	70	50	HR:50						

MIN MAX CFM CFM

0.100

AND/OR

SERVICE

1ST/2ND FL

RESTROOMS

LOCATION FAN SYSTEM

SHAFT

CFSD2 2ND FLOOR SLAB EF-1

1. 1-1/2 HR RATED DAMPER

4. EFL SET TO 165 DEG F

5. UL LISTING: UL555/UL555S

2. UL 555 RATED, LEAKAGE CLASS 1

3. ELECTRIC ACTUATOR, 120V POWER

6. CSFM LISTING NO: 3225-245:107; 3230-245:108

CR-1/EG-1

CEILING SIDEWALL DOUBLE

1. FINISH TO BE COORDINATED WITH ARCHITECT.

							FA	N SCHEDUL	.E										
					AID ELOW	TOD			FAN										
MARK	LOCATION	AREA AND/OR BLDG SERVED	AIR FLOW	TSP	TYPE	\\/\\\\	ARRANGEMENT,	DIAMETER	DRIVE	FAN MAX		- PHASE	VOLT	RPM	SPEED	CONTROL SEQUENCE	REMARKS		
			CFM	IN	ITPE	WHEEL	ROTATION, AND DISCHARGE	IN	DRIVE	RPM	HP	PHASE	VOLI	I XI IVI	CONTROL				
EF-1	ROOF	RESTROOMS	800	0.3	CENTRIFUGAL	BACK INCL.	DOWNBLAST	16	DIRECT	986	0.167	1	115	986	YES	TIMECLOCK	COOK - ACE-I 120C10D		
OTES:																			

MARK	TYPE	MAX APD	MOUNTING	PANEL/FRAME SIZE	NECK SIZE	NC NC	REMARKS
IVIANN		IN WG	IVIOUNTING	IN x IN	IN		KEWIARKS
CD-1	CEILING SUPPLY	0.10	LAY IN	24x24	SEE PLANS	30	TITUS OMNI
SG-1	DOUBLE DEFLECTION SUPPLY	0.10	FLUSH	12x8	10x6	30	TITUS 272 RL
WG-1	WALL SUPPLY	0.10	FLUSH	8x8	6x6	30	TITUS 272 RL

1	OXC	0.00	30		11103 212 KL		LD-3	FLOWBAR	30	200 0).10	
						-	NOTES	1 20112/11	00	200		
							1. COORD	INATE FINISH WITH A	RCHITECT.			
						ı [
ICE	SCHEDUL	.E (RETURN/EXHAL	JST)									
	MOUNTING	PANEL/FRAME SIZE	NECK SIZE	NC (MAX)	REMARKS		MARK	LOCATION	AREA AND/OR ROOM	SYSTEM AIR HANDLING	SIZE	(IN)
		IN x IN	IN x IN						SERVED			
	LAY IN	24x24	22x22	30	TITUS PAR		VAV 1-1	100	100	AHU-1	12	!
		/L		- 30	531711		VAV 1-2	100	100	AHU-1	14	,

TITUS 272 RL

2. ODP MOTOR ENCLOSURE.

		AIR FLOW		MAX	MIN THROW	MAX THROW		SLOT	PANEL/FRAME SIZE	NECK SIZE			
MARK	TYPE	MIN	MAX	APD	I WIIN THROW	WIFW IT IIVOW	# OF SLOTS	WIDTH	INI	INI	THROW PATTERN	NC	REMARKS
		CFM	CFM	IN WG	FT	FT	OLOTO	IN	IN	IN IN	174112144		
LD-1	FLOWBAR	300	1000	0.10	9	23	2	3"	60	12	HIGH	30	TITUS: FL-30
LD-2	FLOWBAR	30	200	0.10	7	20	1	1"	60	6	JET	30	TITUS: FL-20
LD-3	FLOWBAR	30	200	0.10	7	20	1	1"	60	6	HIGH	30	TITUS: FL-20
TES	•				•					•			

		AREA			AIR FLOW				DELIEAT		
MARK	LOCATION	AND/OR ROOM	SYSTEM AIR HANDLING	SIZE (IN)	MAX MIN		ADDITIONAL SOUND ATTENUATION REQUIRED	CONTROL TYPE	REHEAT		REMARKS
		SERVED	TI/ WINDEING		CFM	CFM	- NEGONES		ELEC (KW)	V/PH	
VAV 1-1	100	100	AHU-1	12	1000	360	5' SOUND ATTENUATOR	DDC	4	208/1	TITUS DESV WITH ELECTRIC REHEAT
VAV 1-2	100	100	AHU-1	14	2000	600	5' SOUND ATTENUATOR	DDC	8	208/1	TITUS DESV WITH ELECTRIC REHEAT
VAV 1-3	100	100	AHU-1	16	3000	900	5' SOUND ATTENUATOR	DDC	12	208/1	TITUS DESV WITH ELECTRIC REHEAT
VAV 1-4	112	104, 110	AHU-1	10	660	300	5' SOUND ATTENUATOR	DDC	4	208/1	TITUS DESV WITH ELECTRIC REHEAT
VAV 2-1	200	200	AHU-1	10	600	300	5' SOUND ATTENUATOR	DDC	4	208/1	TITUS DESV WITH ELECTRIC REHEAT
VAV 2-2	209	209	AHU-1	12	1200	425	5' SOUND ATTENUATOR	DDC	6	208/1	TITUS DESV WITH ELECTRIC REHEAT
VAV 2-3	210	210	AHU-1	12	1200	425	5' SOUND ATTENUATOR	DDC	6	208/1	TITUS DESV WITH ELECTRIC REHEAT
VAV 2-4	204	201	AHU-1	10	560	300	5' SOUND ATTENUATOR	DDC	4	208/1	TITUS DESV WITH ELECTRIC REHEAT

NOTES
1. MECHANICAL CONTRACTOR TO FIELD VERIFY CONTROLS SECTION LOCATION PRIOR TO ORDERI

1. MECHANICAL CONTRACTOR TO FIELD VERIFY CONTROLS SECTION LOCATION PRIOR TO OF
1. INECHANICAL CONTRACTOR TO FIELD VERIFT CONTROLS SECTION LOCATION PRIOR TO OIL
2. PROVIDE SCR CONTROLLED ELECTRIC HEATER OPTION.

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9	CONSULTANTS:	Stamp and Signature	ARCHITEC/ENGINEERS:	Drawing Title	Project Title NEW OFFICE	Project Number 640-379	Office of
	Syska Hennessy Group, Inc. 425 California Street Suite 700 San Francisco, CA 94104		ENGINEERS ARCHITECTS ONE KAISER PLAZA SUITE 445	MECHANICAL SCHEDULES	AND LABS	Building Number 1002	Construction and Facilities
= one foot	SYSKA HENNESSY GROUP A member company of SH Group, Inc. GROUP A member company of SH Group, Inc.		OAKLAND CALIFORNIA 94612 TEL 510.271.6701 FAX 510.271.6707	Approved: Project Director -	Location 1080 INNOVATION WAY, SUNNYVALE, CA 94085	Drawing Number	Management
one eighth inch	Revision_ DATE		THE KPA GROUP 2013 RPA Project No. 563.00	VAPAHCS PLANNING AND ENGINEERING	Date Checked Drawn JP	M-002 Dwg. of	VA S PAHCS Veterans Affairs Palo Alto Health Care System

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